

TITLE

ALPHA-METHYLENE LACTONE HOMOPOLYMER AND COPOLYMER  
COMPOSITIONS, SHEETS AND ARTICLES MADE THEREFROM AND  
THE PROCESS FOR THEIR MANUFACTURE

ABSTRACT

Compositions comprising homopolymers or copolymers containing  
repeat units derived from  $\alpha$ -methylenelact(ones)(ams) such as

$\alpha$ -methylenebutyrolactones and an inorganic filler such as alumina  
trihydrate are described. The decorative sheets and articles made from  
these compositions may have one or more of higher thermal resistance,  
higher hardness, higher scratch and mar resistance, faster polymerization  
rates, antimicrobial properties, lower coefficient of thermal expansion and,  
owing to a higher refractive index, a higher transparency.

IYB/dmm